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**V ВСЕРОССИЙСКАЯ  
НАУЧНАЯ КОНФЕРЕНЦИЯ**

**ХИМИЯ И ТЕХНОЛОГИЯ  
РАСТИТЕЛЬНЫХ  
ВЕЩЕСТВ**

**Уфа, 8-12 июня 2008**

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## FLAVONOL KEMPFEROL AND ITS GLYCOSIDE FROM *CALLIGONUM TETRAPTERUM*

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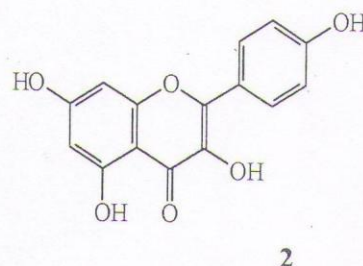
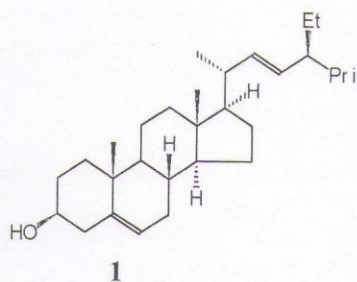
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Phytochemical investigation of *Calligonum tetrapterum* have not been described before.

For study component composition of *C. tetrapterum* was used underground part of plant material, which was collected near Sarkand city, Almaty region in July, 2007.

From 10 g ether part of 70% ethanol extract of *C. tetrapterum* by separation on the column chromatography by elution of mixture heptane-EtOAc (7:3, 1:7 and 1:100) were isolated compounds **1-3** respectively, which according m.p., mass spectra data, UV-, NMR <sup>1</sup>H and <sup>13</sup>C spectra were identified as  $\beta$ -sitosterol **1** [1], kempferol **2** [2-14] and its glycoside **3** [15]. Signals of protons and carbon atoms were correlated by using COSY, HSQC, HMBC and DEPT experiments.



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